

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **56139918 A**

(43) Date of publication of application: 31.10.81

(51) Int. Cl.

**B29C 27/08**

(21) Application number: **55043543**

(71) Applicant: **INOUE JAPAX RES INC**

(22) Date of filing: **04.04.80**

(72) Inventor: **INOUE KIYOSHI**

(54) **METHOD FOR BONDING TOGETHER METAL  
AND RUBBER OR RESIN**

COPYRIGHT: (C)1981,JPO&Japio

(57) Abstract:

PURPOSE: To obtain a bonding method having an improved adhesion strength, by a method wherein rubber or resin to be adhered is placed over a metal surface to be adhered, and adhering takes place by applying ultrasonic wave to the whole surface in a manner to bring an ultrasonic oscillation head into contact with a portion whereat the two substances are adhered together.

CONSTITUTION: A surface of a metal 1, to which rubber, synthetic resin, and other adhering substances are adhered, is treated into a ragged surface where necessary, or is formed into an uneven surface 3 if necessary. The adhering substance 2 is placed over the metal 1 by use of or without the use of an adhesive agent, and ultrasonic oscillation is applied to the surface by means of an ultrasonic horn 5. This permits the production of a lamination which is excellent in an adhesion strength of the metal to the adhering substances, such as rubber, synthetic resin.

